

MANZUYKOV, A., general-major inzhenerno-tehnicheskoy sluzhby; KALABEK'YANTS,
E., inzh.-podpolkovnik

Time required for making rockets ready has been shortened. Av.i
kosm. 44 no.3: 57-59 '62. (MIRA 15:3)
(Guided missiles)

~~MANZY, S. F.~~
MANZY, S. F. (USSR)

"The determination of the way of life and generic relations of mammals
through a morpho-functional analysis of their thoracic extremities (in Russia)"

report presented at the Intl. Symposium on Methods of Theriological
Investigation. Brno, Czech.,
4 Sept. 1960

26 Aug

MANZYUK, L.N.

KLIMOV, V.P. (Khar'kov); MANZYUK, L.N. (Khar'kov)

Methods for making straight-pin teeth from stainless steel with
plastic facing. Probl. stom. 3:417-418 '56 (MLRA 10:5)
(DENTAL PROSTHESIS)

KLIMOVA, V.P., kand.med.nauk; MANZYUK, L.N., kand.med.nauk

Arched prosthesis in paradentosis. Probl.stom. 4:361-364 '58.
(MIRA 13:6)
(GUMS--DISEASES) (DENTAL PROSTHESIS)

MANZYUK, L.N. (Khar'kov)

Treatment of second group anomalies. Probl.stom. 6:244-249 '62.
(MIRA 16:3)
(TEETH—ABNORMALITIES AND DEFORMITIES)
(DENTAL INSTRUMENTS AND APPARATUS)

MANZYUK, P.P. (Khmel'nitskiy rayon, Vinnitskoy obl.)

On the Lenin Collective Farm. Zashch.rast.ot vred.i bol. 7
no.5:ll-12 My '62. (MIRA 15:ll)
(Plants, Protection of)

MANZYUK, S. G.

"Effect of the Type of Watering and Nurturing on the Formation of Wind Resistance in Wheats." Min. Higher Education USSR, Kar'kov Order of Labor Red Banner Agricultural Inst imeni V. V. Dokuchayev, Kar'kov, 1955. (Dissertation for the Degree of Candidate of Biological Sciences)

SO: Knizhnaya Letopis', No. 22, 1955, pp 93-105

COUNTRY : USSR
CATEGORY : General Biology. 3
 Genetics. Plant Genetics.
ABS. JOUR. : RZhBiol., No. 3, 1959, No. 9726

AUTHOR : Matskov, F. F., Manzyuk, S. G.
INST. : Ukrainian Scientific Research Institute of^{*}
TITLE : The Activity of Growth Activating Substances
 in Some Maize Hybrids and Their Parent Forms.

ORIG. PUB. : Byul. Ukr. n.-i. in-ta pasteniyevodstva,
 seleks. i genet., 1958, No 2, 45-47
ABSTRACT : Three inter-strain hybrids of maize and their
 parent forms were studied. The growth-activating
 substances were simultaneously determined
 for the endosperm of the hybrids and
 their basic forms by three methods; the dif-
 fusion and extraction of N. G. Kholodnyy and
 the extraction method of A. N. Boyarkin. The
 effect of hybrids and extractions of the
 basic form on the coleoptile of oats was
 tested. In terms of quality all three methods

CARD: 1/2 ^{*}Plant Growing, Selection and Genetics.

39

MATSKOV, F.F.; MANZYUK, S.G.

Role of physiologically active substances of the phytohormone and
vitamin type in heterosis phenomena observable in corn. *Fiziol. rast.* 8
no.1:92-100 '61. (MIRA 14:3)

1. Ukrainian Institute of Plant Growing, Breeding and Genetics, Kharkov.
(Heterosis) (Growth promoting substances) (Corn breeding)

MATSKOV, F.F.; MANZYUK, S.G.; ZAKREVSKAYA, L.Ye.

Vitamin B group in the grain of hybrid and self-pollinated
lines of corn. Fiziol.rast. 12 no.6:1024-1028 N-D '65.
(MIRA 18:12)

1. Ukrainskiy ordena Lenina nauchno-issledovatel'skiy institut
rasteniyevodstva, selektsii i genetiki imeni V.Ya.Yur'yeva,
Khar'kov. Submitted May 6, 1965.

MANZYUK, V. T.

MANZYUK, V. T.: "The effect of paternal varieties and growth conditions on the formation of biological and agriculturally valuable features of winter-wheat hybrids." Min Higher Education Ukrainian SSR. Khar'kov Order of Labor Red Banner Agricultural Inst imeni V. V. Dokuchayev. Khar'kov, 1956.
(Dissertations for the Degree of Doctor in Agricultural Sciences).

SO: Knizhnaya Letopis' No. 22, 1956

SHULYNDIN, A.F., kandidat sel'skokhozyaystvennykh nauk; MANZYUK, V.T.,
kandidat sel'skokhozyaystvennykh nauk.

Resistance of hard wheat hybrids to the frit fly. Agrobiologija
no.5:22-29 S-0 '56. (MLRA 9:11)

1. Ukrainskiy nauchno-issledovatel'skiy institut rasteniyevodstva,
seleksii i genetiki, Khar'kov.
(Wheat--Disease and pest resistance) (Frit flies)

SHULYNDIN, A.F., kandidat sel'skokhezyaystvennykh nauk; MANZYUK, V.T.

Length of the vegetative season of hard spring wheat hybrids as affected by growing conditions. Dokl.Akad.sel'khoz.21 no.6:10-14 '56.(MLRA 9:9)

1.Institut genetiki i selektsii Akademii nauk USSR. Predstavlena sektsiyey rasteniyevodstva Vsesoyuznoy ordena Lenina akademii sel'skokhezyaystvennykh nauk imeni V.I.Lenina.
(Wheat) (Hybridization, Vegetable) (Growth (Plants))

USSR / General Biology - Genetics.

B

Abs Jour: Ref Zhur-Biol., No 9, 1958, 38055.

Author : Manzyuk. V.T.

Inst : Not given.

Title : Dimensions of Leaf Epidermis Cells in Summer
Wheat Hybrids, in Relation to Conditions of
Cultivation.

Orig Pub: Dopovidi AN URSR, 1957, No 3, 313-316.

Abstract: A study was conducted on the size of leaf epidermis cells on two hybrids - Melyanopus 69 x Dlinnokolosaya 120 and Narodnaya x Dlinnokolosaya 120. Variety Dlinnokolosaya 120 needs greater soil humidity; varieties Melyanopus 69 and Narodnaya are less demanding in this regard. The leaf epidermis cells of hybrids F₁ and F₂

UKR. Sci Res Inst Plant Growing, Selection & Genetics

Card 1/2

MANZYUK, V.T., kandidat sel'skokhozyaystvennykh nauk.

Efficacy of spring wheat hybrid selection as a function of growing conditions. Dokl.Akad.sel'khoz. 22 no.9:19-22 '57. (MLRA 10:9)

1. Ukrainskiy nauchno-issledovatel'skiy institut rosteniyevodstva, selektsii i genetiki, g. Khar'kov. Predstavlena akademikom V.Ya. Yur'yevym.
(Wheat breeding)

USSR / General Biology. Genetics. Plant Genetics.

B

Abs Jour : Ref Zhur - Biologiya, No 4, 1959, No. 14426

Author : Manzyuk, V. T.

Inst : Ukrainian Scientific Research Institute of
Plant Growing, Selection and Genetics

Title : Effect of Parent Varieties Upon the
Formation of Economically Valuable Indicants
in Hybrids of Spring Wheat

Orig Pub : Byul. Ukr. n.-i. in-ta rasteniyevodstva,
selekts. i genet., 1958, No 2, 62-64

Abstract : The hybridization of spring wheat varieties
differentiated according to harvest yields,
resistance to fruit-fly and other economically
valuable indicants, was carried out. The
conduct of reciprocal combinations was found
to be not identical. In the first as well as

Card 1/2

in subsequent generations of hybrids the
results were better when highly productive
varieties of wheat were used which were well

MANZYUK, V.T., kand. sel'skokhozyaystvennykh nauk

Development of certain morphological characteristics in spring
wheat hybrids. Agrobiologiya no. 3:65-68 Ky-Je '58. (MIRA 11:7)

1. Ukrainskiy nauchno-issledovatel'skiy institut rasteniyevodstva,
selektcii i genetiki, g. Khar'kov.
(Wheat breeding)

MANZYUK, V.T., kand.sel'skokhozyaystvennykh nauk

Vernalization stage in winter wheat. Agrobiologiya no.3:37/-
376 My-Je '62. (MIRA 15:10)

1. Ukrainskiy nauchno-issledovatel'skiy institut rasteniyevodstva,
seleksii i genetiki, g. Khar'kov.
(WHEAT) (VERNALIZATION)

TSYBUL'KO, V.S.; MANZYUK, V.T.

Morphological and biological nature of the proliferation of the
wheat ear (*Triticum L.*). Ukr. bot. zhur. 22 no.3:19-22 '65.
(MIRA 18:7)

1. Ukrainskiy ordena Lenina nauchno-issledovatel'skiy institut
rasteniyevodstva, selektsii i genetiki im. V.Ya.Yur'yeva, Khar'kov.

MANZUK, Ye.

Unsolved problems of labor protection. Mast. ugl.6 no.3:22-23
(MLRA 10:4)
Mr '57.

1. Glavnnyy vrach bol'nitsy shakhtoupravleniya no.22-24-bis tresta
Krasnoluchugol'.
(Coal miners--Diseases and hygiene)

MAUKOWIAK, Henryk, mgr inz.

New products of the Lumel Works. Wlad elektrotechn 32 no.5/c:
159-160 My-Je '64.

MAR 24

✓ Waterproofing and roofing material—izol. N. Trubnikov, D. Surmeli, and Ch. Mar. Strelle. Material 2, No. 10, 7-9(1956). Bitumen is mixed with scrap rubber with the addn. of 2% cumarone resin as plasticizer and 1% creosote as antiseptic; talc, limestone, infusorial earth, etc., are added as filler. Rubber and bitumen are mixed for 30–40 min. at 170–180°, rolled for smoothness, mixed with other ingredients at 85–90° for 5–7 min., rolled, and calendered. By changing proportions, liquid, plastic, and hard materials are produced. The former is used for waterproofing; plastic sheets can be bent at low temp., do not rot, and have a water absorption of 0.4–0.6% with a tensile strength of 3–15 kg./sq. cm. and elongation of 50–220%. They become brittle at -12°. J. D. Gut.

SURMELI, D.D., kand.tekhn.nauk; MAR, Ch.D., inzh.; LEVCHENKO, G.I., inzh.;
KRYLOV, I.F., inzh.; LESNYKH, M.V., inzh.

"Poroizol" is a material for packing joints. Stroi. mat. 7 no.9:
31-32 S '61. (MIRA 14:11)
(Rubber, Synthetic)

MAR.G.I.; STASILEVICH,Z.K.; LOBOVA,Z.A.

Discussion on N.V.Budylin's article "Effect of the central nervous system on formation of immune bodies." Zhur.mikrobiol.epid.i immun. no.8:95-97 Ag '54. (MLRA 7:9)

1. Iz Karagandinskogo meditsinskogo instituta.
(ANTIGENS AND ANTIBODIES,
prod., regulation by CNS)
(CENTRAL NERVOUS SYSTEM, physiology,
regulation of antigens & antibodies prod.)

11/14/6

USSR / Microbiology. General Microbiology. Geological F
Activity.

Abs Jour : Ref Zhur - Biologiya, No 6, 1959, No. 23964

Author : Mar, G. I.; Stasilevich, Z. K.

Inst : Karaganda Medical Institute

Title : Microbiological Characteristics of Mud from
Lake Karasor

Orig Pub : Tr. Karanadinsk. med. in-ta, 1957, 1, № 8,
527-528

Abstract : No abstract given

Card 1/1

Orig Pub : Tr. Karagandinsk. med. in-ta, 1957, 1, № 8, 538-541

MAR, G.I.

MAR, G.I.; SVYADOSHCH, A.M.

Virusalike bodies in the cerebrospinal fluid in schizophrenia [with summary in French]. Zhur.nevr. i psikh. 57 no.9:1098-1100 '57.
(MIRA 10:11)

1. Kafedra psichiatrii (zav. - prof. A.M.Svyadoshch) i kafedra mikrobiologii (zav. - dotsent G.I.Mar) Karagandinskogo meditsinskogo instituta.

(SCHIZOPHRENIA, cerebrospinal fluid in, virusiform bodies (Bus))

(VIRUSES, virusiform bodies in CSF in schizophrenia (Bus))

USGR / Microbiology. Human and Animal Pathogens.
Bacteria of Intestinal Group.

F

Abs Jour: Ref Zhur-Biol., No 2, 1959, 5590.

Author : Mar, G. I.

Inst : Not given.

Title : On the Problem of Etiological Structure of
Acute Intestinal Infections in BSSR.

Orig Pub: Zdravookhr. Belorussii, 1958, No 4, 27-29.

Abstract: No abstract.

Card 1/1

MAR, G.I.; SHEYBAK, M.P.

Problem of experimental pneumonia. Lab. delo 5 no.3:43-44 My-Je '59.
(MIRA 12:6)

1. Iz Belorusskogo instituta epidemiologii, mikrobiologii i gigiyeny.
(PNEUMOCOCCAL INFECTIONS)

MAR, G.I.; RYTIK, P.G.; SAYKOVSKAYA, V.A.

Effectiveness of antidiphtheria immunization in the White Russian
Soviet Socialist Republic as measured by the Schick test. Zdrav. Belor.
5 no.4:13 Ap '59. (MIRA 12:7)

I. Belorusskiy institut epidemiologii, mikrobiologii i gigiyeny
(direktor V. I. Votyakov).
(WHITE RUSSIA--DIPHTHERIA)

MAR, G.I.: SOLOV'YANCHIK, S.I.

Determination of coagulase in Hemophilus pertussis. Zhur.
mikrobiol.epid. i immun. 30 no.5:55-58 My '59. (MIRA 12:9)

1. Iz Belorusskogo instituta epidemiologii, mikrobiologii i
gigiyeny.

(HEMOPHILUS PERTUSSIS, metab.
coagulase, determ. (Rus))

(BLOOD COAGULATION
coagulase in Hemophilus pertussis, determ.
(Rus))

(ENZYMES,
same)

ZOLOTAREV, M.M., prof.; MAR, G.I., dots.

Role of adenopharyngoconjunctival viruses in certain inflammatory diseases of the eye. Vest. oft. 72 no.6:38-45 N-D '59.

(MIRA 13:5)

1. Belorusskiy institut usovershenstvovaniya vrachey i Belorussekiy nauchno-issledovatel'skiy institut epidemiologii i mikrobiologii.
(EYE DISEASES virol.)
(ADENOVIRUS INFECTIONS)

MAR, N.

Pechora and Volga will join their waters. Nauka i zhizn' 28
no,9:44-47 S '61. (MIRA 14:12)
(Water resources development)
(Rusanov, Vladimir Aleksandrovich, 1875-1913)

MAR, N.

Two hundred and thirty leaves of a true miracle. Nauka i zhizn' 29
no. 3:72-74 Mr '62. (MIRA 15:7)
(Manuscripts--Conservation and restoration)

MAR, N.

Dream about the Caspian Sea. Nauka i zhizn' 29 no.5:75-79 My
'62. (MIRA 15:11)
(Astrakhan region--Fish culture) (Caspian Sea--Sturgeons)

MAR, Yevgeniy.

Peking shows Moscow. Sov. foto 18 no.5:67-68 My '58. (MIRA 11:5)
(Moscow--Description--Views)

"APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R001032220003-8

man, Ievgeniy

Under the arms of cranes. Starsh.-serzh. no.8:12-13 Ag '62.
(Construction industry) (MIRA 15:8)

APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R001032220003-8"

ZOLOTAREVA, M.M., prof.; MAR, Ye.G., vrach

Nonpenetrating keratoplasty in herpetic keratitis. Oft. zhur. 15
no. 6;361-365 '60. (MIRA 13:10)

1. Iz kliniki glaznykh bolezney (zav. - prof. M.M. Zolotareva)
Belorusskogo instituta usovershenstvovaniya vrachey.
(EYE—SURGERY)

MARA, Frantisek, inz.

Ensuring the quality of the main agricultural animal production
by technical standards. Normalizace 11 no.9:284-285 S '63.

1. Ustredni sprava nakupu zemedelskych vYROBku, Praha, odbor
nakupu zivocisných vYROBku.

MARA, Josef, inz.

Transistor high stability oscillator. Sdel tech 9 no.10:389-390
0 '61.

MARA, K.

Technological problems of oxygen pipelines. Strojirenstvi 13 no.8:
632-633 Ag '63.

MARA, Karel

Making and mounting reduction pieces in steel piping. Energetika
Cz 13 no.9:479 S '63.

l. Potrubi, n.p., Praha.

MARA, Karel

Problems of fitting pipes. Energetika Cz 13 no.10:527 0 '63.

l. Potrubi, n.p., Praha.

NEUWIRT, Jan; SKORPIL, Vladimir; MARA, Milan

Free amino acids in cerebrospinal fluid. Cesk. neur. 20 no.5:314-318
Sept 57.

1. Ustav experimentaini patologie lekarskefakulty KU v Plzni,
prednosta doc. Dr. Jan Hrbek Ustav lekarske chemie lekarske faculty
KU v Plzni, prednosta doc. Dr. Jan Stepan, Neurologicke klinike
lekarske falculty KU v Plzni, prednosta prof. Dr. Vaclav Pitha.
(AMINO ACIDS, in cerebrospinal fluid
free amino acids (Gz))

PALOUS,R.; PAVEILKA,V.; MARA,M.

Calorimetric determination of potassium by means of dilituric acid. Coll Cz chem 25 no.12:3910-3914 '59. (ERAI 9:6)

1. Institut fur Chemie, Padagogische Hochschule, Prag und
Laboratorium fur medizinische Spezialmikrobiologie und
Immunologie, Karlsuniversitat, Prag.
(Potassium) (Colorimetry) (Dilituric acid)

PATOCKA, F.; SOUCEK, A.; MARA, M.

New observations on biological properties and toxinogenesis of atypical haemolytic Corynebacteria isolated from humans. J. hyg. epidem., Praha 4 no.3:307-308 '60.

1. Laboratory for Special Medical Microbiology and Immunology,
Medical Faculty, Charles University, Prague.
(CORYNEBACTERIUM)
(TOXINS AND ANTITOXINS)

PATOCKA, F.; MARA, M.; SCHINDLER, J.

Pyridoxine as an essential growth factor of *Listeria monocytogenes*.
J.hyg.epidem., Praha 4 no.4:504-508 '60.

1. Laboratory of Specialized Medical Microbiology and Immunology
of the Medical Faculty, Charles University, Prague.
(*LISTERIA MONOCYTOGENES* culture)
(VITAMIN B-6 pharmacol)
(GROWTH SUBSTANCES)

PATOCKA, Frantisek; SOUCEK, Andrej; MARA, Milan; JEDLICKOVA, Anna;
ZAHOROVA, LEOPOLDA

Contribution to the problem of so-called typical Corynebacteria
considered as human variants of Corynebacteria pyogenes. Cesk.
epidem. mikrob. imun. 10 no. 3: 184-191 '61.

1. Laborator pro specialni lekarskou mikrobiologii a immunologii
lekarske fakulty KU v Praze.
(CORYNEBACTERIUM)

PATOCKA, F.; MARA, M.; SOUCEK, A.; SOUCKOVA, A.; technical assistance:
SKOROVA, Miroslava; SAHULOVA, Vera

Observations on the biological properties of atypical haemolytic
Corynebacteria isolated from man as compared with Cor. haemolyticum,
Cor pyogenes bovis and Cor.ovis. I. In vivo investigations.
J. hyg. epidem. 6 no.1:1-12 '62.

1. Department for Medical Microbiology and Immunology, Charles
University, Prague.

(CORYNEBACTERIUM)

SOUCEK, A.; SOUCKOVA, A.; MARA, M.; PATOCKA, F.; technical assistance:
SAHULOVA, Vera; SKVORDOVA, Miroslava

Observations on the biological properties of atypical haemolytic
Corynebacteria isolated from man as compared with Cor. haemolyticum,
Cor. pyogenes bovis and Cor. ovis. J. hyg. e. dem. 6 no.1:13-23
'62.

1. Department for Medical Microbiology and Immunology, Charles
University, Prague.
(CORYNEBACTERIUM)

SOUCEK, A.; SOUCKOVA,A.; MARA,M.

Phospolipase and lipase in Coryne-bacterium phyogenes var.
hominis. J.hyg.epidem,Praha 8 no.1:132-133 '64.

1. Laboratory for Special Medical Microbiology, Medical Faculty,
Charles University, Prague.

*

SOUCEK,A.; MARA,M.; SOUCKOVA, Anna

Studies on *Corynebacterium pyogenes* varietas *kerinis*. IV. Comparison of active components in *Corynebacterium pyogenes* varietas *kerinis* (*Corynebacterium haemolyticum*) and *Corynebacterium pyogenes*. *J. hyg. epidem. (Praha)* 9 no.3:67-76 '65

1. From the Department of Medical Microbiology and Immunology, Charles University Medical Faculty, Prague.

VANEK, Frantisek, inz.; MARA, Miroslav, inz.

Effect of the improved lighting of old production rooms.
Podn org 19 no.5:227-229 My '65.

1. Tesla, Holesovice.

FILIPOVIC, I.; BUJAK, A.; MARAC, M.; NOVAK, R.; VUKICEVIC, V.

Polarographic investigations of some metal monocarboxylato complexes
of lead. Croat chem acta 32 no.4:219-227 '60.

(EEAI 10:9)

1. Institute of Inorganic Chemistry, Faculty of Technology, University
of Zagreb, Croatia, Yugoslavia.

(Polarograph and polarography) (Lead compounds)
(Carboxylation)

MARACEK, Josef

Successes of innovators in furniture making. Drevo 17 no.6:197
Je '62.

1. Spojene podniky nabytkarskeho prumyslu, Brno.

KOREN', L.I.; SOKOLOV, L.I.; MARACH, R.V.

Glazes based on local boron-silicate ores. Stek.i ker. 18
no.8:35-36 Ag '61. (MIRA 14:8)
(Glazes)

MARACHEV, A.G.

Hemoglobinopathy in Tajikistan. Vest. AMN SSSR 20 no.11:86-93
'65. (MIRA 19:1)

1. Institut morfologii cheloveka AMN SSSR, Moskva i Tadzhikskiy
institut krayevoy meditsiny AMN SSSR, Dushanbe. Submitted July 23,
1965.

L 26508-66 EWT(1)/T IJP(c) GG

ACC NR. AP6012463

SOURCE CODE: UR/0181/66/008/004/1064/1078

65

B

AUTHOR: Vallis, R. F.; Ipatova, I. P.; Maradudin, A. A.

ORG: Physicotechnical Institute im. A. F.
Ioffe AN SSSR, Leningrad (Fiziko-tehnicheskiy institut AN SSSR)

TITLE: Temperature dependence of the line width of the fundamental lattice absorption in ionic crystals

SOURCE: Fizika tverdogo tela, v. 8, no. 4, 1966, 1064-1078

TOPIC TAGS: ionic crystal, crystal absorption, temperature dependence, line width, dielectric constant, electric conductivity

ABSTRACT: The purpose of the investigation was to confirm the qualitative expression obtained by L. E. Gurevich and I. P. Ipatova (ZhETF v. 45, 231, 1963) for the fundamental absorption line, with account taken of the anharmonicities of third and fourth order, by numerically calculating the contributions of these anharmonicities to the line width on the basis of a realistic model of ionic crystals. As a first step in this direction, the authors calculate the frequency and temperature dependences of the line width for crystals of the NaCl type and derive an expression for the dielectric constant of this crystal in a form convenient for numerical calculations. It is shown as part of the calculations that in an ionic crystal of the NaCl type, regardless of the direction of propagation of the lattice oscillations there exist at zero

Card 1/2

L 26508-66

ACC NR: AF6012463

wave vector one purely longitudinal optical branch and two degenerate purely transverse branches. This makes it possible to separate in the real part of the conductivity tensor the contribution describing the reaction of the crystal to a longitudinal external field from the contribution describing the reaction to a transverse external field, and the latter makes it possible to calculate the light absorption in the crystal. Orig. art. has: 1 figure and 75 formulas.

SUB CODE: 20/ SUM DATE: 15Aug65/ ORIG REF: 003/ OTH REF: 018

Card 2/2 CC

MARARENKO, V. . . , inzh.

Textolite packing rings in compressors. Mashinostroenie no.1:
15 Ja-F '64. (MIRA 17:7)

MARACINE, B., ing.

Modern equipment construction. St si Teh Bac 14 no.12:
10-11,17 D'62.

MARACINE, B., ing.

New equipment for constructions. St si Teh Buc 14
no.12:10-11, 17 D'62.

REUTOV, O.A.; BELETSKAYA, I.P.; MARADELEYSHVILLI, R.Ye.

Reaction kinetics of the electrophile substitution at a saturated
carbon atom. Dokl. AN SSSR 116 no.4:617-620 o '57. (MIRA 11:3)

1. Moskovskiy gosudarstvennyy universitet im. M.V. Lomonosova.
Predstavлено академиком A.N. Nesmeyanovym.
(Substitution (Chemistry)) (Chemical reaction, Rate of)

IL'INSKIY B.D.; GUR'YEV, V.S.; MARADUDIN, G.I.; ZORIN, S.V., red.;
PINEGIN, I.I., red.izd-va; GINZBURG, R.Ya., tekhn. red.

[Safety regulations in the bessemer steel production process]
Pravila bezopasnosti v konvertnom proizvodstve stali. Mo-
skva, Metallurgizdat, 1963. 79 p. (MIRA 17:3)

1. Professional'nyy soyuz rabochikh metallurgicheskoy pro-
myshlennosti. TSentral'nyy komitet.

SHELAPUTIN, V., kand.tekhn.nauk; KAMINARSKAYA, A., kand.tekhn.nauk;
MARADUDINA, N., inzh.; BORNOVALOVA, A., inzh.; ODINTSOV, A.,
kand.sel'skokhozyaystvennykh nauk

Frozen prepared foods. Khol.tekh. 37 no.5:39-42 S-0 '60.
(MIRA 13:10)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut kholodil'noy
promyshlennosti (for Shelaputin, Kaminarskaya, Maradudina and
Bornovalova). 2. Vsesoyuznyy nauchno-issledovatel'skiy institut
torgovli i obshchestvennogo pitaniya (for Odintsov).
(Food, Frozen)

ACC NR: AP7005517

SOURCE CODE: UR/0314/66/000/011/0029/0030

AUTHORS: Shvarts, G. L. (Candidate of technical sciences); Belya, O. I.; Maragayeva, V. N.

ORG: none

TITLE: Stability of structural materials in sodium chlorite solutions

SOURCE: Khimicheskoye i neftyanoye mashinostroyeniye, no. 11, 1966, 29-30

TOPIC TAGS: sodium compound, chlorine compound, steel, steel alloy, corrosion rate, corrosion, ~~WOOD CHEMICAL PRODUCT, PLASTIC~~

ABSTRACT: The stability of the following materials in acid sodium chlorite solutions was investigated: technical titanium, steels Kh18N12M2T, OKh23N28M3D3T, alloys N70M27(EI639), Kh15N55M16V(EP375), and a number of plastics, wood composition materials, and rubbers 1001, 1225, 1256, 4476, 4990, 6298-1, 6253, and 8-LTI. The corrosion experiments were carried out at pH 3.6--5 and at temperatures of 80--85°C, over a period of 120 hours. It was found that the most stable metallic specimens were technical titanium, alloy OT4, and steel Kh15N55M16V, in that order, and the most stable nonmetallic specimens were fluoroplast-4, plastic PKhV, and vinyl plastic. N. A. Oskorbina and V. P. Samarina took part in the experiments at the Central Scientific Research Institute for Linen Fibers (Tsentral'nyy nauchno-issledovatel'skiy institut l'nyanykh volokon).

Card 1/1

SUB CODE: 11/ SUBM DATE: none

UDC: 620.193.4:669.018.29

MARAGINA, A. A.

137-58-4-7735

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 4, p 197 (USSR)

AUTHOR: Maragina, A. A.

TITLE: Iron Corrosion in Solutions of Various Ionic Strengths (Korroziya zheleza v rastvorakh razlichnoy ionnoy sily)

PERIODICAL: Uch. zap. Leningr. gos. ped. in-t im. A. I. Gertseva, 1957,
Vol 140, pp 73-75

ABSTRACT: The relation between the ionic strength of a solution and the voltage jump at the metal-solution interface was studied, and the potential was employed to determine the effect of the ionic strength of the solution upon the rate of Fe corrosion. Experiments were conducted on the solution of Fe in 1 and 2 M H_2SO_4 solutions with added Na_2SO_4 , $ZnSO_4$, and $Al_2(SO_4)_3$, in concentrations of 0.1 to 0.5 gram equivalents. The experiments also determined the magnitudes of the electrode potentials necessary to find the electrolyte activity factors. The results obtained show that addition of sulfates upon solution of Fe in H_2SO_4 increases the ionic strength of the solutions and simultaneously reduces the rate of Fe dissolution.

A. L.

Card 1/1

1. Iron--Corrosion--Ionic factors 2. Iron--Corrosion--Effects
of sulfates

S/137/61/000/007/030/072
A060/A101

AUTHORS: Shaptala, A. Ya; Bocharov, Yu. I.; Marakasov, I. Kh.

TITLE: Automatic regulation of band thickness on reversible twelve-roll mills

PERIODICAL: Referativnyy zhurnal, Metallurgiya, no. 7, 1961, 10, abstract 7D72
("Nauchno-tekhn. inform. byul. Leningr. politekhn. in-t", 1960,
no. 8, 79-86)

TEXT: The described scheme for automatic regulation of band thickness provides for control by varying the back tension for deviations in band thickness of $\pm 5 - 6\mu$, and above these values by a clamping device. It is shown that by the action of two servo-systems upon the thickness variations of the band it is possible to obtain a maximum deviation in band thickness of $\pm 6 - 7\mu$ for a prescribed value of $\pm 10\mu$. The possible ways of obtaining still smaller thickness deviations are considered.

V. Pospekhov

[Abstracter's note: Complete translation]

Card 1/1

MARAKAEV, A.

Corrosive compounds in Tchumaz Devonian crude oil
A. Marakayev and A. Efimova. Novosti Neftegazov Tekhniki i Nefteperevodka - 1955, No. 3, 21-7. The amt. of H₂S formed under the conditions of industrial cracking from S and S compds. in the petroleum fractions b. 205-294° and 276-365° was found to be about 25% of the total S content of the fractions. These fractions contained before washing 2610 mg. chlorides per l., viz. NaCl 66, CaCl₂ 28, and MgCl₂ 8%. After a two-stage washing, the fractions contained 60 mg./l. of chloride and the concn. of the salts in the above order was 27, 62, 20%. It was shown that at 300° about 4-10% CaCl₂ and 60-90% MgCl₂ were hydrolyzed. In order to decrease the regeneration of H₂S in the corrosion cycle: FeS + 2HCl → FeCl₂ + H₂S and Fe₂S₃ + 4HCl → 2FeCl₂ + 2H₂S + S, a better washing procedure for complete removal of MgCl₂ and CaCl₂ is recommended.

A. P. Kofloby

"APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R001032220003-8

APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R001032220003-8"

IVANOV, V., polkovnik; MARAKAZOV, A.I., red.; SOMINSKIY, Ye.M.,
red.

[Aviation equipment of the air forces of capitalist
countries; a collection of translated articles] Avia-
tsionnaia tekhnika VVS kapitalisticheskikh stran; sbor-
nik perevodnykh statei. Moskva, Voenizdat, 1964. 269 p.
(MIRA 18:9)

MARAKENKO, M.K.

USSR/Cultivated Plants - Fodders.

H.

Abs Jour : Ref Zemir - Biol., No 10, 1953, 44164

Author : Podolich, B.M., Marakenko, M.K., Patuk, S.A.

Inst : Ukrainian Agricultural Academy.

Title : Increase in the Yield and Changes in the Chemical Composition of the Sudan Grass in Relation to Soil and Fertilizers.

Orig Pub : Nauchn. tr. Ukr. s.-k. akad., 1956, 8, 95-102

Abstract : The experiment was carried out in 1954. Manure and mineral fertilizers were introduced in spring before the plowing of the field. MK and IK produced the greatest effect on the peat-gley soil (I) and NP had the greatest effect on the sod-slightly-podzolic soil. Manure had no effect on (I) under drought conditions and on (II) it produced a small increase in the crop. In the hay of the

Card 1/2

MAKSIMOV, G.; MARAKHANOV, M.

All-union census of 1959. Vop. ekon. no.9:49-59 S '58.
(MIRA 11:10)
(Russia--Census)

MARAKHANOV, M.

Rural workers should have technical knowledge. Prof.-tekh.
obr. 19 no.12:9-10 D '62. (MIRA 16:2)
(Omsk Province--Farm mechanization--Study and teaching)

AUTHORS:

Sashin, B. I., Lobanov, A. M., Gel'dman, . . .,
Sarminskaya, T. N., Marakhnov, I. A., . . .

TITLE:

Investigation of Some Properties of Gamma-Irradiated Polyethylene (Issledovaniye nekotorykh svoystv polietilena, posledovatel'no izmenyayushchego vlastnosti pri γ -izluchchenii)

JOURNAL:

Zhurnal tekhnicheskoy fiziki, 1958, № 3, p. 121-128 (USSR)

ABSTRACT:

This article contains a report on a comprehensive investigation of polyethylene. These phenomena were studied: the influence of atomic radiation upon the structure and the physical properties, the infrared spectra and the intensity curves describing the dispersion of X-rays and the functions of density, of mechanical and of electrical properties versus temperature. A sample of a basic polyethylene synthesized under high pressure and samples of polyethylene subjected to the γ -radiation of a cobalt source in air were investigated. The samples had dimensions of 11 • 10 • 53 mm. The curves of the mechanical strength versus temperature function were recorded with the equipment **designed by** . . . In scientific research Institute of Polymerized Polymers, U.S.S.R. (Moscow).

S-7 -2 -1-1-3

Investigation of Some Properties of Gamma-irradiated Polyethylene

tric losses) versus temperature function was studied in the frequency range of $4 \cdot 10^4$ to $5 \cdot 10^4$ c. The measurements at $\omega = 10^9$ rad/sec were made on a type KB-1 Q-meter according to the method of the dielectric loss factor. The dependence of the mechanical loss on temperature at $5 \cdot 10^4$ c were investigated using the method of the torsion vibrator (Ref. 4). The study of the infrared spectra of irradiated unstabilized polyethylene and of irradiated polyethylene stabilized by CaCO_3 substantiated the existence of processes earlier observed (Refs. 1, 2). Besides, some data bearing on the modification of the structure of the macromolecule of polyethylene were obtained. Investigations of polyethylene subjected to γ -radiation from $4 \cdot 10^6$ r showed that the modifications of the structure of the macromolecule becomes manifest, when infrared spectroscopy investigations are carried out by a modification of the nature of the $\tau\delta$ and the dielectric- and mechanical losses versus temperature functions. Notwithstanding the production of a "scam" the modification of the density and the percentual content of crystallized polyethylene caused by γ -radiation by $(4 \cdot 10^6)$ r is insignificant. V. M. Klykov and V. M. Chulanovskiy made valuable suggestions.

Card 2/3

2 - 1

Investigation of Some Properties of Gamma-Irradiated Polymers

and V. A. Henley made available 11 samples, 10 figures, 1 table, and 10 references, 10 of which are cited.

Author(s): N.-V. o-issledovatel'skiy Institut polimerov, V. I. M. mass. Institut wysokomolekularnykh soedinenii im. M. V. Lomonosova, Moscow, Institute of Polymer Physics, Institute of High-Molecular Compounds, USSR, Moscow

Date(s): November 18, 1957

Classification:

SHALAYEVA, L.F.; MARAKHONOV, I.A.; VESELOVSKAYA, L.N.; DOMAREVA, N.M.;
IL'CHENKO, P.A.; SEMENOVA, A.S.; NIKOLAYEVA, I.I.

Polydispersion and structure of medium-pressure polyethylene.
(MIRA 18:6)
Plast. massy no.4:5-10 '65.

I 45454-65 EPP(c)/EWP(j)/EWT(m) PC-4/Pr-11 RM

S/0191/85/000/004/0005/0010

ACCESSION NR: AP5009311

AUTHORS: Shalayeva, L. F.; Karakhonov, I. I.; Veselovskaya, L. M.; Domaeva, N. M.; Il'chenko, P. A.; Semenova, A. S.; Nikolskaya, I. I.

TITLE: Polydispersion and structure of medium pressure polyethylene

SOURCE: Plasticheskiye massy, no. 4, 1965, 5-10

TOPIC TAGS: polyethylene, fractionation, dispersion characteristic, (Nickol fractionation method), URS-50 radiation device, NIIPP viscosimeter

ABSTRACT: The fusion viscosity of fractionated and unfractionated medium pressure polyethylene was studied along with molecular weight distributions and structural phenomena of various fractions. The polyethylene fractionation was carried out by the Nickol method. The ethylene was composed of:

C ₂ H ₆	99.3-99.7 volume %
O ₂	0.0022-0.0039
CO	0
CO ₂	0
H ₂ O	0.07-0.12 g/m ³

Special test equipment included a URS-50 radiation device for measuring degrees of crystallization and an NIIPP machine for determining fusion viscosity. It was found
Card 1/2

L 45464-65

ACCESSION NR: AF5009311

that the degree of crystallization of the first fractions (the large molecular fractions) is a little lower than that of unfractionated polyethylene. Roentgen diffraction curves (2β rotation) are given for several sample fractions. A study was made of turbidity characteristics of the polyethylenes in nonane and tetralin solutions, and graphs were plotted showing the quantity $C/(\tau - \tau_0)$ versus C , where C is the solution concentration, τ is the solution turbidity, and τ_0 is the solvent turbidity. Additional measurements of the speed of displacement under stress at 190°C were made for both the fractionated and unfractionated specimens. The authors found that: 1) the molecular weight distribution of medium pressure polyethylene can be described by Tung's equation (L. H. Tung, J. Polymer Sci., 24, 333, 1957); 2) there are indications of high macromolecular stiffness of medium pressure polyethylene; 3) the interlayer distance is independent of molecular weight; 4) the shape of the fusion flow curve depends on the polydispersion characteristics; and 5) the temperature coefficient of fusion viscosity of polyethylene weakly depends upon the molecular weight. Orig. art. has 12 figures and 5 tables.

ASSOCIATION: none

SUBMITTED: OO

ENCL: OO

SUB CODES: KT

NO PEF Sov: 003

OTHER: O12

Card 2/2 ms

L 3900-66 EWP(m)/T/EWP(t)/EWP(b)/EWA(c)
ACC NR. AP5024557

IJP(a)

JD

UR/0070/65/010/005/0732/0734
548.536
8

AUTHOR: Laverko, Ye. N.; Marakhonov, V. M.; Polyakov, S. M.

TITLE: Structure of GaAs whiskers formed on germanium

SOURCE: Kristallografiya, v. 10, no. 5, 1965, 732-734

TOPIC TAGS: gallium arsenide, germanium single crystal, substrate, gallium arsenide whisker, crystal structure

ABSTRACT: An electron diffraction and electron microscope study has been made of GaAs epitaxial layers deposited in vacuum (0.05 tor) by the Gütter method on (111) faces of Ge single crystals. Formation of hexagonal GaAs whiskers of the wurtzite type, with the base plane (0001) oriented parallel to the Ge (111) plane, was observed. The crystals were 3 μ or more in length and about 0.3 μ thick at the base. The GaAs layers had a mosaic crystalline structure. The growth of GaAs took place on Ga substrates heated to 400 to 600°C and was determined by the direction of the molecular flow of Ga. The authors attribute the growth of wurtzite-type GaAs whiskers to an excess of Ga on the substrate structure, which triggers the vapor-liquid-crystal mechanism of growth. In the presence of excess Ga, the whiskers also grow on glass substrates by a basically identical mechanism, but in the absence of a monocrystalline substrate, the whiskers are polycrystalline.

Orig. art. has: 2 figures.

[EO]

ASSOCIATION: none

Card 1/2

L 3900-66

ACC NR: AP5024557

SUBMITTED: 26Mar05

NC REP SOV: 006

ENCL: 00

OTHER: 006

0
SUB CODE: SS

ATD PRESS: 4/19

Card 2/2 Mh

MOZHAYEV, G.A.; MOZHAYEVA, G.N.; MARAKHOVA, I.I.

Relation of the amplitude of the action potential at the site
of stimulation to the force of the current stimulating an iso-
lated nerve fiber of the green crab. Biofizika 8 no.4:467-474
'63. (MIRA 17:10)

1. Institut tsitologii AN SSSR, Leningrad.

MARAKHOV, V.G.

Sources of and contributing factors to the development of production
forces. Trudy LKI 24:85-101 '59. (MIRA 14:9)

1. Kafedra marksizma-leninizma Leningradskogo korablestroitel'nogo
instituta.
(Economics)

GREKOV, A.P.; MARAKHOVA, M.S.

Determination of hydrazides of aliphatic acids by means of
potentiometric with sodium nitrite. Zhur.anal.khim. 16 no.5:643-644
(MIRA 14:9)
S.O '61.

1. All-Union Scientific Research Institute of Monocrystals,
Scintillators and Materials of Special Purity, Khar'kov.
(Hydrazides)

GREKOV, A. P.; MARAKHOVA, M. S.

Structure and reactivity of hydrazine derivatives. Part 3:
Kinetics of the reaction between ortho-derivatives of benzo-
hydrazide and benzoyl chloride in a benzene solution. Ukr. khim.
zhur. 28 no.5:632-637 '62. (MIRA 15:10)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut khimicheskikh
reaktivov, Khar'kovskiy filial, i Institut khimii polimerov i
monomerov AN UkrSSR.

(Hydrazides) (Benzoyl chloride)

33919
S/079/62/032/002/004/011
D227/D303

11.1270

AUTHORS: Grekov, A.P. and Marakhova, M.S.

TITLE: Structure and reactivity of hydrazine derivatives. II.
Kinetics of the reactions between aliphatic acid hydrazide
and benzoyl chloride in benzene

PERIODICAL: Zhurnal obshchey khimii, v. 32, no. 2, 1962, 542-549

TEXT: In continuing their investigations the authors aim, in the present work, to find a relation between the structure of aliphatic acid hydrazides and their reactivity. For this purpose hydrazides of acetic, propionic, butyric, formic, phenylacetic, and phenoxyacetic acids were acylated with benzoyl chloride according to: $2\text{RCOHNH}_2 + \text{ClCOC}_6\text{H}_5 \rightarrow$

$\text{RCONHNHCOC}_6\text{H}_5 + \text{RCONHNH}_2 \cdot \text{HCl}$. The hydrazides of the above acids were prepared in the usual manner. The rates of acylation were determined by electrometric measurements of hydrazide content in the reaction mixture of the hydrazide and acylating agent after a given time interval. It was found that the velocity constants were practically independent of the

Card 1/3

33919

S/079/62/032/002/004/011
D227/D303

Structure and reactivity ...

initial concentration of reactants and that the reaction proceeded at a rate similar to that of benzohydrazide and its derivatives where the rate of benzylation was affected by the polarity of the substituents. The quantitative estimation of the inductive effect of the substituents on the reactivity of the hydrazide grouping may be given by Taft's equation $\lg \frac{k}{k_0} = \rho^* \sigma^* (A)$ where k and k_0 = reaction (or equilibrium) con-

stants for the reactants RY and $R_0 Y$ respectively; σ^* = induction constant of the substituent for group R as compared with a standard group R_0 (CH_3 group was used in the present work); ρ^* = constant, showing the sensitivity of the reaction series to the inductive effect of the substituents. The results have shown that substitution of H atoms in the methyl group of acetylhydrazide with hydrocarbon radicals has little effect on the rate of reaction of the hydrazide group. Introduction of methoxy- or phenoxy-groups also reduces the rate of acylation as a result of strong inductive effect of the two groups on the hydrazide group through the methylene

Card 2/3

33919

S/079/62/032/002/004/011
D227/D303

Structure and reactivity ...

group. Evaluation of ρ^* has shown that the reaction studied was not sensitive to the structural changes within the molecules of aliphatic acid hydrazides. There are 2 figures, 9 tables and 18 references: 11 Soviet-bloc and 7 non-Soviet-bloc. The references to the English-language publications read as follows: W. Harris and K. Stone, J. Org. Chem., 23, 2032, (1958); P. Buu-Hoi, D. Xuong, H. Nam, F. Binon and R. Royer, J. Chem. Soc., 1953, 1358; H. Jaffe, Chem. Revs., 53, 191, (1953).

ASSOCIATION: Vsesoyuznyy nauchno-issledovatel'skiy institut khimicheskikh reaktivov. Khar'kovskiy filial (All-Union Scientific Research Institute of Chemical Reagents. Khar'kov Branch) ✓

SUBMITTED: January 2, 1961

Card 3/3

GREKOV, A.P.; MARAKHOVA, M.S.

Structure and reactivity of hydrazine derivatives. Part 6:
Kinetics of the reaction between aliphatic acids hydrazides
and picryl chloride in benzene solution. Zhur. ob. khim. 33
no.5:1474-1478 My '63. (MIRA 16:6)

1. Institut khimii polimerov i monomerov AN UkrSSR.
(Hydrazides) (Picryl chloride)

GREKOV, A.P.; MARAKHOVA, M.S.

Structure and reactivity of hydrazine derivatives. Part 7:
Kinetics of the reaction of some meta and para derivatives
of benzhydrazide with picryl chloride and benzoyl chloride
in benzene. Zhur. ob. khim. 33 no.5:1552-1556 My '63.
(MIRA 16:6)

1. Institut khimii polimerov i monomerov AN Ukrainskoy SSR.
(Hydrazides) (Picryl chloride)
(Benzoyl chloride)

L 35296-66 EWT(1) GW/GD
ACC NR: AT6006266

(N)

SOURCE CODE: UR/0000/65/000/000/0121/0135

AUTHOR: Kuzivanov, V. A.; Magnitskaya, Ye. I.; Marakhovskaya, L. A.

ORG: None

31

B1

TITLE: A method for the processing of recordings of overdamped gravimeters mounted on ships and aircraft

SOURCE: AN SSSR. Institut fiziki Zemli. paratura i metody morskikh gravimetriceskikh nablyudeniy (Apparatus and methods of marine gravimetric observations). Moscow, Izd-vo Nauka, 1965, 121-135

TOPIC TAGS: gravimetry, gravimetric analysis, graphic data processing, RESEARCH
SHIP INSTRUMENTATION, GRAVIMETERABSTRACT: Gravimeters designated for use on ships and aircraft are often highly damped in order to reduce the influence of the mobile support. Such operating conditions require special methods for data processing. Consequently, the authors establish and discuss at considerable length four possible methods for the determination of the changes in gravimeter readings between the starting and current observations. A thorough analysis of experimental data gathered by the GAL and Gss-2 gravimeters shows that the error of gravimeter readings using all four methods is within $\pm 1.2\text{--}1.8$ mgl. One of the methods requires a processing time

Card 1/2

"APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R001032220003-8

ACU NR: AT6006266

of 3.5-4 hr, whereas two other approaches could be accomplished in 10-12 min.
The appropriate approaches should be used in dealing with a) not too perturbed
graphs, b) perturbed graphs of small period, and c) perturbed graphs with large
periods. Orig. art. has: 16 formulas, 11 figures, and 1 table.

SUB CODE: 08, 09/ SUBM DATE: 29Oct65/ORIG REF: 003

Card 2/2 MBR

APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R001032220003-8"

SIVTSEV, M.V., kand.sel'skokhozyaystvennykh nauk; MARAKHOVSKIY, I.P.
uchitel'

Determining the role of microelements in the life of a plant.
(MIRA 15:12)
Biol.v shkole no.4:65-67 Jl-Ag '62.

1. Krymskiy pedagogicheskiy institut (for Sivtsev). 2. Krasno-
goreskaya vos'miletnyaya shkola Belogorskogo rayona Krymskoy
oblasti (for Marakhovskiy).
(Plants, Effect of trace elements on)

SEVRUK, B.V., inzhener; LESKOV, A.V., inzhener; MARAKHOVSKIY, I.S., inzhener;

Oxygen in the open hearth furnace fuel spray at the Zaporozhstal' plant. Stal' 15 no.12:1074-1081 D '55. (MIRA 9:2)

1.Tsentral'nyy nauchno-issledovatel'skiy institut chernoy metallurgii i zavod "Zaporozhstal".
(Open hearth furnaces)

LEYKIN, I.M., kandidat tekhnicheskikh nauk; MARAKHOVSKIY, I.S.; PODGORODETSKIY,
A.A.

Production of low-alloy steel at the Zaporozhstal' plant. Metallurg no.4:
13-15 Ap '56.
(MLRA 9:9)

1.Tsentral'nyy nauchno-issledovatel'skiy institut chernoy metallurgii
(for Leykin).2.Nachal'nik staleplavil'noy laboratori TsZL (for Mara-
khovskiy).3.Rukoveditel' gruppy TsZL "Zavod Zaporozhstal'" (for Podgorde-
tskiy).
(Zaporozhye--Metallurgical plants) (Steel alleys)

MARAKHOVSKIY, I.S., inzhener; MAZOV, V.F., inzhener.

Production of rimmed steel with addition of ferromanganese in the
Ladle. Stal' 16 no.8:697-699 Ag '56. (MLRA 9:10)

1.Zavod "Zaporozhstal'."
(Smelting) (Oxidizing agents)

SEVRUK, B.V., inzhener; LESKOV, A.V., kandidat ekonomiceskikh nauk;
MARAKHOVSKIY, I.S., inzhener.

Use of oxygen in the current production of the Zaporozhstal' open-hearth furnace plant. Sbor. trud. TSNIICHEM no. 13:38-55 '56.
(MLRA 9:11)

1. Tsentral'nyy nauchno-issledovatel'skiy institut chernoy metalurgii i "Zaporozhstal!".

(Zaporozh'ye--Open-hearth process)
(Oxygen--Industrial applications)

MARAKHOVSKII, Il'ya S.

LESKOV, Aleksandr Vasil'yevich; MARAKHOVSKIY, Il'ya Semenovich; MOLOTKOV,
Gennadiy Aleksandrovich; TURUBINER, Anatoliy L'vovich; KOCHERGA, N.,
vedushchiy redaktor; PATSAIUK, P., tekhnicheskiy redaktor.

[Fundamentals of rapid steel smelting] Osnovy skorostnoi vyplavki
stali. Kiev, Gos.izd-vo tekhn.lit-ry USSR, 1957. 249 p. (MIRA 10:11)
(Smelting)

137-58-6-11697

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 6, p 69 (USSR)

AUTHOR: Marakhovskiy, I.S.

TITLE: Standardization of Steel Pouring Procedures at "Zaporozhstal'"
(Standartizatsiya tekhnologii vyplavki stali na zavode "Zapo-
rozhstal'")

PERIODICAL: Byul. nauchno-tekhn. inform. Ukr. n.-i. in-t metallov,
1957, Nr 2, pp 44-48

ABSTRACT: Standardization of the various periods in the smelting of
rimmed steel: 10-15 min servicing, 1 hr - 1 hr 15 m charging,
 \leq 30-35 min melt-down, \leq 10 min hot metal addition, and
working, taken in conjunction with uniformity of the materials
used in the smelting of steel and maintenance of a uniform
thermal regimen, made it possible, under the conditions ob-
taining at the Zaporozhstal' plant, to increase significantly the
output of furnaces. From 1950 to 1955 the time required per
heat was cut from 11.2 to 7.85 hours, while the steel made per
 m^3 hearth area per day rose from 5.05 to 8.33 t.

Card 1/1

1. Steel--Production 2. Metallurgy--Standards

A.S.

MARAKHOVSKIY, I.S., inzhener; PODGORODETSKIY, A.A., inzhener.

Production of nonaging steel. Metallurg 2 no.5:11-13 My '57.
(MLRA 10:6)

1. Nachal'nik staleplavil'noy laboratorii TSentral'noy zavodskoy
laboratorii (for Marakhovskiy), 2. Rukovoditel' gruppy TSentral'noy
zavodskoy laboratorii Zavod "Zaporozhstal'" (for Podgoredetskiy).
(Steel, Automobile)